

Title (en)

SIGNAL PEPTIDE FUSION PARTNERS FACILITATING LISTERIAL EXPRESSION OF ANTIGENIC SEQUENCES AND METHODS OF PREPARATION AND USE THEREOF

Title (de)

SIGNALPEPTIDFUSIONSPARTNER ZUR ERLEICHTERUNG DER LISTERIALEN EXPRESSION VON ANTIGENSEQUENZEN SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)

PARTENAIRES DE FUSION DE TYPE PEPTIDES SIGNAL FAVORISANT L'EXPRESSION DE SÉQUENCES ANTIGÉNIQUES DANS LES BACTÉRIES DU GENRE LISTERIA ET LEURS PROCÉDÉS DE PRÉPARATION ET D'UTILISATION

Publication

EP 2938627 B1 20190320 (EN)

Application

EP 13869448 A 20131227

Priority

- US 201261746237 P 20121227
- US 201361780744 P 20130313
- US 2013078119 W 20131227

Abstract (en)

[origin: US2014186387A1] The present invention provides nucleic acids, expression systems, and vaccine strains which provide efficient expression and secretion of antigens of interest into the cytosol of host cells, and elicit effective CD4 and CD8 T cell responses by functionally linking Listerial or other bacterial signal peptides/secretion chaperones as N-terminal fusion partners in translational reading frame with selected recombinant encoded protein antigens. These N-terminal fusion partners are deleted (either by actual deletion, by mutation, or by a combination of these approaches) for any PEST sequences native to the sequence, and/or for certain hydrophobic residues.

IPC 8 full level

C07K 14/195 (2006.01); **A61K 39/00** (2006.01); **C12N 15/74** (2006.01)

CPC (source: EP US)

A61P 31/00 (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **A61P 31/10** (2017.12 - EP); **A61P 33/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **A61P 37/04** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07K 14/195** (2013.01 - EP US); **C07K 2319/02** (2013.01 - EP US); **C07K 2319/036** (2013.01 - EP US); **C07K 2319/35** (2013.01 - EP US); **C07K 2319/40** (2013.01 - EP US)

Cited by

US11885815B2; US11264117B2; US10055540B2; US10847252B2; US10847253B2; US11183286B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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